

EXHIBIT 4
COPY OF PENDING CLAIMS

1. An antibody to the human IL-12 p75 heterodimer which consists of a p35 subunit and a p40 subunit wherein said antibody
 - (a) immunologically reacts with an epitope presented by the p75 heterodimer of human IL-12, but is not immunologically reactive with any epitope presented by said p40 subunit; and
 - (b) is produced from a mouse which is deficient in the gene encoding said p35 subunit or the p40 subunit of IL-12.
2. The antibody of claim 1, wherein the antibody is a monoclonal antibody.
3. The antibody of claim 1, wherein the antibody is produced from a cell line of the mouse.
4. The antibody of claim 1, wherein the antibody cross reacts with rhesus monkey IL-12.
5. The antibody of claim 1, wherein the antibody is humanized.
14. A monoclonal antibody to human IL-12 which consists of a p35 subunit and a p40 subunit forming a p75 heterodimer, wherein said monoclonal antibody
 - (a) immunologically reacts with an epitope presented by the p75 heterodimer of human IL-12, but is not immunologically reactive with any epitope presented by said p40 subunit; and
 - (b) neutralizes at least about 90% of the bioactivity of human IL-12.
15. The antibody of claim 14, wherein the antibody neutralizes at least about 90% bioactivity of human IL-12 by inhibiting IL-12 stimulated PHA-activated human lymphoblast proliferation wherein the concentration of said antibody is 0.5 $\mu\text{g/ml}$ and the concentration of said human IL-12 is 0.25 ng/ml.

16. The antibody of claim 14, wherein the antibody neutralizes at least about 90% bioactivity of human IL-12 by inhibiting IL-12 stimulated IFN- γ production wherein the concentration of the antibody is 0.5 μ g/ml and the concentration of said human IL-12 is 0.25 ng/ml.
17. The antibody of claim 14, wherein the antibody cross reacts with rhesus monkey IL-12.
18. The antibody of claim 14, wherein the antibody is humanized.
19. The antibody of claim 14, wherein the antibody is produced by a hybridoma.
20. (Amended) The antibody of claim 19, wherein the antibody has been humanized.
29. A hybridoma that is capable of producing a monoclonal antibody to human IL-12 which consists of a p35 subunit and a p40 subunit forming a p75 heterodimer, wherein said antibody
- (a) immunologically reacts with an epitope presented by the p75 heterodimer of human IL-12, but is not immunologically reactive with any epitope presented by said p40 subunit; and
 - (b) is produced from a cell line obtained from a mouse deficient in a gene encoding said p35 subunit or said p40 subunit.